HONOLULU, HI 95812 P.O. BOX 3830 January 1984 HONOLULU LABORATORY WATOWAL MARINE FISHERIES SERVICE CROSS TABULATIONS OF CATCHES OF

LARGE PELAGIC SPECIES BASED ON HAWAII COMMERCIAL CATCH REPORTS, JANUARY 1976 - APRIL 1981. II. SPECIES BY AREA FISHED AND FISHING GEAR

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INTRODUCTION

In the first number of this series, we presented cross tabulations of the commercial catches of the Pelagic Species Management Unit in Hawaii to illustrate the variation and importance of various fishing areas and gears. Tables were presented for fishing areas containing summed catches by species and by fishing gears by species and then for fishing gears by species and by fishing areas by species.

In this paper, the emphasis is on species, namely the billfishes (Families Istiophoridae and Xiphiidae), mahimahi (Coryphaena sp.), wahoo, (Acanthocybium solandri), and sharks (Families Sphyrnidae and Carcharhinidae). Tables are set up by species and gear, then by species, gear, and area fished, and finally by species, area, and gear. The same data are presented in all of these tables. The different arrangements provide a different perspective for interpretation by the Plan Development Team and others associated with the development of a fishery management plan for these species.

Some explanation of the species names used in these tables is in order. Since the summaries are based on the statistics provided by the Division of Aquatic Resources, we have followed the naming conventions used by them. With respect to fish names: "swordfish" refers to billfish (Families Xiphiidae and Istiophoridae) or undifferentiated species, whereas "broadbill" is the swordfish (Xiphias gladius); "ono" is the Hawaiian name for wahoo (Acanthocybium solandri); sharks are divided into "hammerhead shark" (Sphyrna sp.) and "shark" (mostly Carcharhinidae) categories, both of which are mixtures of species. With respect to areas or regions, the State of Hawaii's fishery statistical zones are arranged in 0 to 2, 2 to 20, and beyond 20 nmi strata. Thus, it is not possible to summarize the data by 0 to 3 and 3 to 200 nmi zones without using some arbitrary approximating procedures. Also, catches from the Northwestern Hawaiian Islands (NWHI) can be differentiated from those in the main Hawaiian Islands, and we have chosen to do so in the following tables without regard to distance zones around the islands. With respect to fishing gear types, "flagline" refers to tuna longline fishing gear; "deep-sea handline" is generally a multi-hook gear fished in deep water for snappers whereas "inshore handline" gear is generally fished in shallower water for goatfish (the Mullidae), akule (bigeye scad, Selar crumenophthalmus), and other shallow water fishes; however, the distinction is not clear.

SPECIES BY GEAR

For striped marlin (<u>Tetrapturus audax</u>), flagline or tuna longline gear was the most important in 1976 through 1979, but by 1980, trolling gear accounted for most of the catches (Table 1). This change reflects an apparent increase in trolling activity and a decline in longline fishing or underreporting of catches by longline fishing.

For blue marlin (Makaira nigricans), trolling has contributed the greatest amount of catch, and again the data indicate that longline catches have become less important. Also, deep-sea handline catches have become progressively more important.

Reported catches of "broadbill" (swordfish) indicate that deep-sea handline has displaced longline as the most important gear for this species. The deep-sea handline category in the State of Hawaii's reporting system includes the night tuna (ika shibi) fishery.

Catches of sailfish (<u>Istiophorus platypterus</u>), shortbill spearfish (\underline{T} . angustirostris), and black marlin (\underline{M} . indica) are much less than the other billfish species, and trolling and flagline have been the most important fishing gears.

For mahimahi and ono, trolling line is the most important gear, but the proportion caught by deep-sea handline has increased, particularly for mahimahi.

For the shark category, the rank of the gear types has varied considerably with trolling and deep-sea handline catches becoming more important in later years.

SPECIES BY GEAR AND REGION

For striped marlin, catches by flagline and trolling line, the two most important gears have been greatest in the 2-20 nmi region (Table 2).

Catches of blue marlin by the most important gear, trolling line, have been largest in the 2-20 nmi area. This is true of the other gears as well.

Catches of "broadbill" have been greatest in the 2-20 nmi area for both flagline and deep-sea handline gear, and handline has recently displaced flagline as the most important gear.

For the sailfish, shortbill spearfish, and black marlin the 2-20 nmi zone has been the most important using trolling line.

The largest catches of mahimahi and one have occurred in the 2-20 nmi region for trolling line and most other gears.

Shark catches exhibited no consistent fishing gear, nor regional pattern.

SPECIES BY REGION AND GEAR

For striped marlin in the 0-2 nmi zone, trolling line has consistently contributed the greatest catch and has replaced flagline as the most important in the 2-20 nmi zone (Table 3). In the greater than 20 nmi area, flagline remains the most important although the proportion of trolling catches have increased substantially. Catches in the NMHI were reported only in 1981.

For blue marlin in all areas, trolling line accounts for more catches than all the other fishing gears. Catches in the NWHI are reported for 1980 and 1981.

For "broadbill," the catches are relatively small and the importance of different gear types varies with region and year. In the greater than 20 nmi region, flagline has generally been the most important gear. In the 2-20 nmi region, deep-sea handline appears to have displaced flagline in importance. Catches in the NWHI are reported for only 1 year.

For sailfish the largest catches occur in the 2-20 nmi zone, and in this zone trolling line has contributed the greatest catch.

For mahimahi and one in all zones, trolling line has been the most important gear except for the NWHI where deep-sea handline was sometimes more important. Catches are reported in the NWHI for all years for both species.

For shark, there is no consistent pattern in the contribution of various gear types by zone over these years.

For shortbill spearfish, the 2-20 nmi area is the most important, and flagline and trolling line are the most important gears in this area. In other areas, there is no consistent pattern of the importance of the various gears. Catches in the NWHI were reported in 1980 and 1981.

For black marlin, catches are significant only in the 2-20 nmi zones, and trolling line contributed the greatest catch in this area and generally in other areas as well.

GEAR	LBCAUGHT	LBSOLD	REV ENUE
	SPECIES = STRIPE	D MARLIN	
FLAGLINE	74,264	74,264	\$81,118
DEEP-SEA HANDLINE	12,339	11,386	\$4,420
INSHORE HANDLINE	79	7.9	\$98
TROLLING LINE	122,302	73,425	\$28,323
	SPECIES = BLUE	MARLIN	
FLAGLINE	16,751	16,751	\$12,089
DEEP-SEA HANDLINE	11,238	10,753	\$3,746
TROLLING LINE	163,231	104,584	\$36,470
	SPECIES = BROA	ADBILL	
FLAGLINE	429	429	\$174
DEEP-SEA HANDLINE	2,549	2,267	\$1,433
TROLLING LINE	543	543	\$451
	SPECIES = SAII	FISH	
FLAGLINE	584	584	\$270
DEEP-SEA HANDLINE	457	381	\$150
TROLLING LINE	1,302	711	\$274
	SPECIES = MAHI	IHAMI	
FLAGLINE	16,461	16,461	\$30,004
DEEP-SEA HANDLINE	24,800	23,805	\$35,036
INSHORE HANDLINE	369	323	\$452
TROLLING LINE	90,065	63,423	\$100,788
OTHER	7,395	7,341	\$12,120
	SPECIES = 0	ONO	
FLAGLINE	7,536	7,536	\$6,410
DEEP-SEA HANDLINE	43,024	39,680	\$33,335
INSHORE HANDLINE	717	717	\$622
TROLLING LINE	118,128	87,187	\$86,678
OTHER	277	277	\$250
	SPECIES = SH	ARK	
DEEP-SEA HANDLINE	349	0	\$0
TROLLING LINE	260	0	\$0
OTHER	769	9	\$7
	5.053	(5)	7.1

Table 1 .-- Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = HAMMERHEA	AD SHARK	
INSHORE HANDLINE	27	0	\$0
OTHER	135	0	\$0
	SPECIES = SHORTBILL	SPEARFISH	
FLAGLINE	7,037	7,037	\$5,093
DEEP-SEA HANDLINE	1,049	1,049	\$853
TROLLING LINE	5,636	3,127	\$1,427
	SPECIES = BLACK	MARLIN	
FLAGLINE	419	419	\$443
DEEP-SEA HANDLINE	1,003	1,003	\$163
TROLLING LINE	5,451	4,042	\$1,627

II TABLE 1HDAR 1977 DATA BY	SPECIES	AND GEAR.	
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GEAR	I B CA HOUR	TROOTR	
GLAR	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = SWO	RDFISH	
TROLLING LINE	138	138	\$62
	SPECIES = STRIPE	D MARLIN	
FLAGLINE	69,933	69,933	\$86,260
DEEP-SEA HANDLINE	1,327	1,284	\$1,199
INSHORE HANDLINE	100	100	\$100
TROLLING LINE	19,976	11,819	\$9,646
	SPECIES = BLUE	MARLIN	
DI LOI THE	alk was		
FLAGLINE	24,626	24,626	\$19,470
DEEP-SEA HANDLINE	16,753	13,730	\$6,109
TROLLING LINE	324,841	235,129	\$83,937
	SPECIES = BRO	ADBILL	
FLAGLINE	36,965	36,965	\$64,218
DEEP-SEA HANDLINE	3,980	3,980	\$3,389
TROLLING LINE	290	290	\$323
	SPECIES = SAI	LFISH	
FLAGLINE	72/	70/	0.00
DEEP-SEA HANDLINE	734	734	\$694
TROLLING LINE	133	65	\$40
OTHER	518 22	358 22	\$251 \$13
	SPECIES = MAH	тман т	*****
	ordordo itali		
FLAGLINE	14,867	14,867	\$29,464
DEEP-SEA HANDLINE	18,250	17,291	\$27,198
INSHORE HANDLINE	454	439	\$669
TROLLING LINE	107,995	83,716	\$150,881
OTHER	8,754	8,729	\$15,587
	SPECIES =	ono	
FLAGLINE	12,184	12,184	\$11,168
DEEP-SEA HANDLINE	29,178	28,343	
INSHORE HANDLINE	1,029	974	\$28,118 \$946
TROLLING LINE	180,467	147,434	
OTHER	570	550	\$163,022 \$560
	210	330	4.700

Table 1.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = SH	ARK	
DEEP-SEA HANDLINE INSHORE HANDLINE TROLLING LINE OTHER	1,243 680 561 897	550 0 161 157	\$130 \$0 \$32 \$45
	SPECIES = HAMMERHE	AD SHARK	
OTHER	40	0	\$0
	SPECIES = SHORTBILL	SPEARFISH	
FLAGLINE DEEP-SEA HANDLINE TROLLING LINE OTHER	6,430 473 5,779 81	6,430 396 2,989 81	\$4,594 \$163 \$1,545 \$66
	SPECIES = BLACK 1	MARLIN	
FLAGLINE DEEP-SEA HANDLINE TROLLING LINE	463 730 6,884	463 557 4,473	\$575 \$332 \$1,648

GEAR	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = STRIPE	D MARLIN	
FLAGLINE	105,271	105,271	\$145,366
DEEP-SEA HANDLINE	3,198	2,832	\$2,689
INSHORE HANDLINE	136	136	\$54
TROLLING LINE	38,416	27,927	\$26,543
	SPECIES = BLUE	MARLIN	
FLAGLINE	40,080	40,080	\$37,180
DEEP-SEA HANDLINE	12,144	11,797	\$5,225
INSHORE HANDLINE	1,114	1,114	\$465
TROLLING LINE	483,980	375,798	\$163,226
	SPECIES = BRO	ADBILL	
FLAGLINE	20,482	19,812	\$29,864
DEEP-SEA HANDLINE	9,056	9,056	\$10,340
INSHORE HANDLINE	47	47	\$47
TROLLING LINE	558	558	\$736
	SPECIES = SAI	LFISH	
FLAGLINE	49	49	\$37
DEEP-SEA HANDLINE	113	113	\$85
TROLLING LINE	535	210	\$101
	SPECIES = MAH	IMAHI	
FLAGLINE	10,422	10,422	\$23,285
DEEP-SEA HANDLINE	13,591	13,048	\$23,632
INSHORE HANDLINE	869	806	\$1,453
TROLLING LINE	96,616	76,578	\$151,238
OTHER	9,264	9,264	\$17,845
	SPECIES = 0	ONO	
FLAGLINE	10,173	10,173	\$13,153
DEEP-SEA HANDLINE	24,608	24,124	\$32,807
INSHORE HANDLINE	2,011	1,922	\$2,581
TROLLING LINE	158,056	131,077	\$176,667
OTHER	130	55	\$55
		122	5,4175,750

Table 1.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	SPECIES =	= SHARK	
FLAGLINE DEEP-SEA HANDLIN INSHORE HANDLIN TROLLING LINE OTHER	MAC 1	1,335 1,436 166 1,024 43	\$453 \$542 \$72 \$428 \$2
	SPECIES = HAMMI	ERHEAD SHARK	
OTHER	1,527		and the last temperature of th
	SPECIES = SHORTE	BILL SPEARFISH	
FLAGLINE DEEP-SEA HANDLII TROLLING LINE	12,974	11,168 577 8,051	\$12,639 \$676 \$6,391
	SPECIES = BLA	ACK MARLIN	
TROLLING LINE	1,368	424	\$434

TABLE 1.--HDAR 1979 DATA BY SPECIES AND GEAR.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = SWO	RDFISH	
DEEP-SEA HANDLINE	2	-	- E
	SPECIES = STRIPE	D MARLIN	
FLAGLINE	71,861	71,861	\$104,071
DEEP-SEA HANDLINE	5,404	5,224	\$6,389
TROLLING LINE	33,974	25,899	\$26,891
OTHER	562	307	\$325
	SPECIES = BLUE	MARLIN	
FLAGLINE	15,228	15,228	\$16,043
DEEP-SEA HANDLINE	14,782	14,380	\$10,683
TROLLING LINE	406,566	320,255	\$149,130
OTHER	893	893	\$168
	SPECIES = BROA	ADBILL	
FLAGLINE	14,798	14,798	\$24,394
DEEP-SEA HANDLINE	13,790	13,775	\$18,952
TROLLING LINE	350	121	\$96
	SPECIES = SAII	LFISH	
FLAGLINE	750	750	\$639
DEEP-SEA HANDLINE	176	176	\$168
TROLLING LINE	1,355	681	\$407
	SPECIES = MAHI	IHAMI	
FLAGLINE	7,845	7,821	\$16,249
DEEP-SEA HANDLINE	23,639	22,408	\$41,691
INSHORE HANDLINE	101	80	\$127
TROLLING LINE	132,582	110,337	\$217,912
OTHER	10,381	10,336	\$17,770
	SPECIES = ON	10	
FLAGLINE	3,512	3,512	\$7,077
DEEP-SEA HANDLINE	21,895	20,971	\$35,364
INSHORE HANDLINE	282	232	\$361
TROLLING LINE	174,168	47,329	\$262,802
OTHER	122	97	\$209

Table 1 .-- Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	· SPECIES = SHA	ARK	
FLAGLINE DEEP-SEA HANDLINE INSHORE HANDLINE TROLLING LINE OTHER	1,405 190 58 1,615 1,161	1,405 304 164	\$585 \$43 \$89
	SPECIES = HAMMERHEA		¥03
TROLLING LINE	150		
OTHER	1,880		
	SPECIES = SHORTBILL	SPEARFISH	
FLAGLINE DEEP-SEA HANDLINE TROLLING LINE OTHER	4,369 455 11,671 759	4,369 435 7,964 679	\$5,245 \$385 \$8,829 \$669
	SPECIES = BLACK N	MARLIN	
FLAGLINE DEEP-SEA HANDLINE TROLLING LINE	244 1,835 9,061	244 1,487 6,429	\$282 \$1,423 \$3,011

GEAR		LBCAUGHT	LBSOLD	REVENUE
		SPECIES = STRIPE	D MARLIN	
FLAGLINE		24,414	24,414	\$28,140
DEEP-SEA I	HANDI THE	4,305	4,206	
TROLLING I		38,247	30,090	\$6,018
INCLUDING I	221112	30,247	30,090	\$36,015
		SPECIES = BLUE	MARLIN	
FLAGLINE		8,704	8,704	\$7,680
DEEP-SEA H	HANDI THE	26,389	24,074	
TROLLING I		405,787	Contract of the Contract of th	\$13,868
OTHER	71111	650	349,258 650	\$168,863
		050	0.00	\$195
		SPECIES = BROA	ADBILL	
FLAGLINE		695	695	\$1,238
DEEP-SEA H	IANDLINE	30,807	30,480	\$41,116
TROLLING I		1,032	1,032	
OTHER		490	490	\$1,219 \$515
		4,50	430	4212
		SPECIES = SAII	FISH	
DEEP-SEA H	ANDLINE	447	407	\$416
TROLLING I	INE	510	27.2	\$182
			-/-	9102
		SPECIES = MAH	MAHI	
FLAGLINE		8,852	8,784	\$18,527
DEEP-SEA H	ANDLINE	40,872	39,501	\$87,169
INSHORE HA		105	94	\$240
TROLLING L	INE	180,281	154,688	\$333,762
OTHER		8,550	8,550	\$16,321
			0,550	910,321
		SPECIES = 0	ONO	
FLAGLINE		2,595	2,595	\$4,602
DEEP-SEA H	ANDLINE	40,343	39,202	\$76,334
INSHORE HA		48	44	\$37
TROLLING L	INE	223,035	196,497	\$370,600
OTHER		415	385	\$589
		107-100	4747.54	1

Table 1 .-- Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = SH.	ARK	
FLAGLINE	270	270	\$102
DEEP-SEA HANDLINE	5,257	241	\$90
INSHORE HANDLINE	1,333	13	\$6
TROLLING LINE	4,751	200	\$50
OTHER	621	21	\$12
	SPECIES = HAMMERHE	AD SHARK	
TROLLING LINE	219	120	\$35
OTHER	225	225	\$96
	SPECIES = SHORTBILL	SPEARFISH	
FLAGLINE	320	320	\$256
DEEP-SEA HANDLINE	642	515	\$468
INSHORE HANDLINE	6	6	\$8
TROLLING LINE	11,029	8,281	\$7,421
OTHER	1	1	\$1
	SPECIES = BLACK N	MARLIN	
DEEP-SEA HANDLINE	527	249	\$447
TROLLING LINE	5,333	4,895	\$3,344
OTHER	10	4	\$2

II TABLE	1HDAR 1981 DATA BY	SPECIES AND GEAR	•
GEAR	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = STRIPED	MARLIN	
FLAGLINE	11,659	11,659	\$14,234
DEEP-SEA HANDLINE	673	670	\$734
TROLLING LINE	18,778	14,543	\$17,785
	SPECIES = BLUE MA	ARLIN	
FLAGLINE	2,055	2,055	\$1,893
DEEP-SEA HANDLINE	6,468	5,772	\$5,692
TROLLING LINE	105,361	88,953	\$58,643
	SPECIES = BROADE	ILL	
FLAGLINE	26	26	\$14
DEEP-SEA HANDLINE	1,635	1,581	\$2,755
	SPECIES = SAILF	ISH	
FLAGLINE	103	103	\$85
DEEP-SEA HANDLINE	21	21	\$15
TROLLING LINE	260	180	\$183
	SPECIES = MAHIM	IHAI	
FLAGLINE	3,103	3,058	\$7,335
DEEP-SEA HANDLINE	15,252	14,821	\$36,563
TROLLING LINE	71,338	60,999	\$145,463
OTHER	3,160	3,160	\$5,218
	SPECIES = ONO		
FLAGLINE	497	497	\$1,231
DEEP-SEA HANDLINE	13,700	13,360	\$30,219
INSHORE HANDLINE	22		
TROLLING LINE	52,902	48,006	\$112,579
OTHER	13	13	\$19
	SPECIES = SHAR	K	
DEEP-SEA HANDLINE	3,891	650	\$306
INSHORE HANDLINE	793		
TROLLING LINE	550	-	
OTHER	1	1	\$1
	SPECIES = HAMMERHEA	D SHARK	

TROLLING LINE

Table 1.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
S	PECIES = SHORTBILL SP	EARFISH	
FLAGLINE	67	67	\$50
DEEP-SEA HANDLINE INSHORE HANDLINE	602 54	551 54	\$426 \$24
TROLLING LINE	5,277	3,601	\$4,084
	SPECIES = BLACK MA	RLIN	
TROLLING LINE	3,857	3,491	\$2,075

II TABLE 2.—HD	AR 1976 DATA BY	SPECIES, GEAR, AND	REGION.
REGION	LBCAUGHT	LBSOLD	REVENUE
SPECIES	= STRIPED MARLIN	GEAR = FLAGLINE	
0 TO 2 MILES	708	708	\$820
2 TO 20 MILES	67,317	67,317	\$71,689
BEYOND 20 MILES	6,239	6,239	\$8,609
SPECIES = ST	RIPED MARLIN C	SEAR = DEEP SEA HAND	LINE
0 TO 2 MILES	1,002	1,002	\$181
2 TO 20 MILES	10,895	9,942	\$3,841
BEYOND 20 MILES	442	442	\$398
SPECIES = ST	RIPED MARLIN G	EAR = INSHORE HANDL	INE
0 TO 2 MILES	79	79	\$98
SPECIES =	STRIPED MARLIN	GEAR = TROLLING LI	NE
0 TO 2 MILES	5,145	3,115	\$1,017
2 TO 20 MILES	115,602	68,775	\$26,081
BEYOND 20 MILES	1,485	1,485	\$1,150
OTHER	70	50	\$75
SPECIE	S = BLUE MARLIN	GEAR = FLAGLINE	
O TO 20 MILES	14,553	14,553	\$10,739
BEYOND 20 MILES	2,198	2,198	\$1,351
SPECIES = B	LUE MARLIN GE	AR = DEEP-SEA HANDL	INE
0 TO 2 MILES	490	189	\$38
2 TO 20 MILES	10,748	10,564	\$3,708
SPECIES =	BLUE MARLIN G	EAR = TROLLING LINE	
0 TO 2 MILES	4,543	3,835	\$1,267
2 TO 20 MILES	154,514	97,079	\$33,522
BEYOND 20 MILES	4,174	3,670	\$1,681
SPECI	ES = BROADBILL	GEAR = FLAGLINE	
2 TO 20 MILES	429	429	\$174
SPECIES = I	BROADBILL GEAR	= DEEP-SEA HANDLINE	
O TO 2 MILES	103	103	\$52
2 TO 20 MILES	2,356	2,074	\$1,337
BEYOND 20 MILES	4,500	2,074	91,337

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = BROADBILL	GEAR = TROLLING	LINE
2 TO 20 MILES	543	543	\$451
	SPECIES = SAILFISH	GEAR = FLAGLIN	IE .
2 TO 20 MILES	529	529	\$253
BEYOND 20 MILES	55		\$17
	SPECIES = SAILFISH G	EAR = DEEP-SEA HA	INDL.INE
O TO 2 MILES	46	46	\$14
2 TO 20 MILES	235	159	\$41
BEYOND 20 MILES	176	176	\$95
	SPECIES = SAILFISH	GEAR = TROLLING	LINE
0 TO 2 MILES	98	98	\$23
2 TO 20 MILES	1,204		
	SPECIES = MAHIMAHI	GEAR = FLAGLIN	E
2 TO 20 MILES	15,087	15,087	\$27,553
BEYOND 20 MILES			\$2,450
	SPECIES = MAHIMAHI G	EAR = DEEP-SEA HA	NDLINE
0 TO 2 MILES	992	820	\$1,112
2 TO 20 MILES	22,526		
NORTHWESTERN H.	1. 67	67	\$93
BEYOND 20 MILES	1,215	1,215	\$1,741
	SPECIES = MAHIMAHI GI	EAR = INSHORE HAN	DLINE
O TO 2 MILES	262	216	\$316
2 TO 20 MILES	107	107	\$137
	SPECIES = MAHIMAHI	GEAR = TROLLING	LINE
O TO 2 MILES	4,644	3,178	\$4,595
2 TO 20 MILES	82,987	58,340	\$92,483
BEYOND 20 MILES	2,332	1,818	\$3,579
OTHER	102	87	\$131

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = MAHIMAN	HI GEAR = OTHER	
O TO 2 MILES	305	303	\$377
2 TO 20 MILES	5,958	5,906	\$10,205
BEYOND 20 MILES	1,132	1,132	\$1,538
	SPECIES = ONO	GEAR = FLAGLINE	
2 TO 20 MILES	5,843	5,843	\$5,120
BEYOND 20 MILES	1,693	1,693	\$1,290
	SPECIES = ONO GEAR	= DEEP-SEA HANDLI	NE
O TO 2 MILES	2,418	2,398	\$2,146
2 TO 20 MILES	32,202	28,908	\$24,969
NORTHWESTERN H. 1		8,200	\$6,082
BEYOND 20 MILES	204	174	\$138
	SPECIES = ONO GEAR	R = INSHORE HANDLI	NE
0 TO 2 MILES	547	547	\$458
2 TO 20 MILES	170	170	\$164
	SPECIES = ONO GEA	AR = TROLLING LINE	
O TO 2 MILES	19,220	15,321	\$16,565
2 TO 20 MILES	98,587	71,550	\$69,846
BEYOND 20 MILES	265	260	\$228
OTHER	56	56	\$39
	SPECIES = ONO	GEAR = OTHER	
2 TO 20 MILES	277	277	\$250
	SPECIES = SHARK GEAR	= DEEP-SEA HANDL	INE
O TO 2 MILES	10	0	90
2 TO 20 MILES	339	0	\$0 \$0
	SPECIES = SHARK GE	AR = TROLLING LIN	Е
2 TO 20 MILES	260	0	00
T TO TO HILLING	260	0	\$0

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = SHARK	GEAR = OTHER	
0 TO 2 MILES 2 TO 20 MILES	760 9	0	\$0 \$7
SPECIE	S = HAMMERHEAD SHARK	GEAR = INSHORE HANDL	INE
0 TO 2 MILES	27	0	\$0
	SPECIES = HAMMERHEAD :	SHARK GEAR = OTHER	
0 TO 2 MILES	135	0	\$0
SPE	CIES = SHORTBILL SPEAR	RFISH GEAR = FLAGLIN	E
2 TO 20 MILES	5,692		
BEYOND 20 MILES	1,345	1,345	\$1,026
SPECIES	= SHORTBILL SPEARFISH	GEAR = DEEP-SEA HAN	DLINE
2 TO 20 MILES	395	395	\$189
BEYOND 20 MILES	654	654	\$664
SPECIE	S = SHORTBILL SPEARFIS	SH GEAR = TROLLING L	INE
0 TO 2 MILES	414	65	\$89
2 TO 20 MILES	5,141		\$1,319
BEYOND 20 MILES	81	77	\$19
	SPECIES = BLACK MARLIN	GEAR = FLAGLINE	
2 TO 20 MILES	419	419	\$443
SPEC	IES = BLACK MARLIN (GEAR = DEEP-SEA HANDLI	NE
2 TO 20 MILES	1,003	1,003	\$163
SPE	ECIES = BLACK MARLIN	GEAR = TROLLING LINE	
2 TO 20 MILES	5,054	3,645	\$1,330
BEYOND 20 MILES	397	397	\$297
			38,755,07

### SPECIES = STRIPED MARLIN GEAR = INSHORE HANDLINE 2 TO 20 MILES 100 100 \$100 \$PECIES = STRIPED MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 622 566 \$290 2 TO 20 MILES 18,923 10,922 \$9,086 BEYOND 20 MILES 381 331 \$270 OTHER 50 0 \$90 \$PECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 22,523 22,523 \$17,834 BEYOND 20 MILES 2,103 2,103 \$1,636 \$PECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 895 534 \$333 2 TO 20 MILES 15,858 13,196 \$5,776 \$PECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 \$PECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388	II TABL	E 2HDAR 1977 DATA	BY SPECIES, GEAR, AND REG	ION.
SPECIES	REGION	LBCAUGHT	LBSOLD	REVENUE
SPECIES = STRIPED MARLIN GEAR = FLAGLINE 2 TO 20 MILES 64,772 64,772 579,657 BEYOND 20 MILES 5,161 5,161 \$6,603 SPECIES = STRIPED MARLIN GEAR = DEEP-SEA HANDLINE 2 TO 20 MILES 1,217 1,174 \$1,095 BEYOND 20 MILES 110 110 \$105 SPECIES = STRIPED MARLIN GEAR = INSHORE HANDLINE 2 TO 20 MILES 100 100 \$100 SPECIES = STRIPED MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 622 566 \$290 2 TO 20 MILES 18,923 10,922 \$9,086 BEYOND 20 MILES 381 331 \$270 OTHER 50 0 \$50 SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 22,523 22,523 \$17,834 BEYOND 20 MILES 2,103 2,103 \$1,636 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 2,103 2,103 \$1,636 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 855 534 \$333 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE		SPECIES = SWORDFISH	GEAR = TROLLING LINE	
2 TO 20 MILES	2 TO 20 MILES	138	138	\$62
### BEYOND 20 MILES		SPECIES = STRIPED MARI	LIN GEAR = FLAGLINE	
### SPECIES = STRIPED MARLIN GEAR = DEEP-SEA HANDLINE 2 TO 20 MILES	2 TO 20 MILES	64,772	64,772	\$79,657
2 TO 20 MILES	BEYOND 20 MILES			
BEYOND 20 MILES 110 110 \$105 SPECIES = STRIPED MARLIN GEAR = INSHORE HANDLINE 2 TO 20 MILES 100 100 \$100 SPECIES = STRIPED MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 622 566 \$290 2 TO 20 MILES 18,923 10,922 \$9,086 BEYOND 20 MILES 381 331 \$270 OTHER 50 0 \$0 SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 22,523 22,523 \$17,834 BEYOND 20 MILES 2,103 2,103 \$1,636 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 895 534 \$333 2 TO 20 MILES 15,858 13,196 \$5,776 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 2 TO 20 MILES 314,008 228,526 \$81,502 2 TO 20 MILES 314,008 228,526 \$81,502 2 TO 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE	SPEC	CIES = STRIPED MARLIN	GEAR = DEEP-SEA HANDLINE	
### SPECIES = STRIPED MARLIN GEAR = INSHORE HANDLINE 2 TO 20 MILES 100 \$PECIES = STRIPED MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 2 TO 20 MILES 18,923 10,922 566 \$290 2 TO 20 MILES 18,923 10,922 \$9,086 BEYOND 20 MILES 381 331 \$270 OTHER 50 \$PECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 3 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 50 \$15,858 13,196 \$5,776 \$PECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 5 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 5 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 5 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 5 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 5 SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 5 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 5 SPECIES = BROADBILL GEAR = FLAGLINE	2 TO 20 MILES	1,217	1.174	\$1,095
2 TO 20 MILES SPECIES = STRIPED MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 2 TO 20 MILES 3 18,923 10,922 \$9,086 BEYOND 20 MILES 381 331 \$270 OTHER SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 22,523 22,523 \$17,834 BEYOND 20 MILES 2,103 2,103 \$1636 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 3 895 2 TO 20 MILES 3 15,858 13,196 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE	BEYOND 20 MILES			
SPECIES = STRIPED MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 622 566 \$290 2 TO 20 MILES 18,923 10,922 \$9,086 BEYOND 20 MILES 381 331 \$270 OTHER 50 0 \$0 SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 22,523 22,523 \$17,834 BEYOND 20 MILES 2,103 2,103 \$1,636 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 895 534 \$333 2 TO 20 MILES 15,858 13,196 \$5,776 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE	SPEC	CIES = STRIPED MARLIN	GEAR = INSHORE HANDLINE	
0 TO 2 MILES 622 566 \$990 2 TO 20 MILES 18,923 10,922 \$9,086 BEYOND 20 MILES 381 331 \$270 OTHER 50 0 \$50 \$0 \$\$\$ SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 22,523 22,523 \$17,834 BEYOND 20 MILES 2,103 2,103 \$1,636 \$	2 TO 20 MILES	100	100	\$100
2 TO 20 MILES BEYOND 20 MILES BEYOND 20 MILES SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES EYOND 20 MILES SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES SPECIES = BROADBILL GEAR = FLAGLINE	SI	ECIES = STRIPED MARLIN	GEAR = TROLLING LINE	
2 TO 20 MILES BEYOND 20 MILES BEYOND 20 MILES OTHER 50 SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES EYOND 20 MILES SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES SPECIES = BROADBILL GEAR = FLAGLINE	O TO 2 MILES	622	566	\$290
### SPECIES = BLUE MARLIN GEAR = FLAGLINE To 20 MILES	2 TO 20 MILES			
SPECIES = BLUE MARLIN GEAR = FLAGLINE 2 TO 20 MILES 22,523 22,523 \$17,834 BEYOND 20 MILES 2,103 2,103 \$1,636 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 895 534 \$333 2 TO 20 MILES 15,858 13,196 \$5,776 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 2 TO 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 \$5,362 \$61,388				
2 TO 20 MILES 22,523 22,523 \$17,834 EEYOND 20 MILES 2,103 2,103 \$1,636 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 895 534 \$333 2 TO 20 MILES 15,858 13,196 \$5,776 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388	OTHER	50	0	N/AAAAAA
BEYOND 20 MILES 2,103 2,103 \$1,636 SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 895 534 \$333 2 TO 20 MILES 15,858 13,196 \$5,776 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 2 TO 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 \$51,388		SPECIES = BLUE MARLI	N GEAR = FLAGLINE	
### SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE O TO 2 MILES	2 TO 20 MILES	22,523	22 523	\$17 834
SPECIES = BLUE MARLIN GEAR = DEEP-SEA HANDLINE 0 TO 2 MILES 895 534 \$333 2 TO 20 MILES 15,858 13,196 \$5,776 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388	BEYOND 20 MILES	2,103	2,103	
2 TO 20 MILES 15,858 13,196 \$5,776 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388	SPE			
2 TO 20 MILES 15,858 13,196 \$5,776 SPECIES = BLUE MARLIN GEAR = TROLLING LINE 0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388	0 TO 2 MILES	895	534	\$333
0 TO 2 MILES 6,810 3,641 \$1,252 2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388	2 TO 20 MILES			
2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388	S	PECIES = BLUE MARLIN	GEAR = TROLLING LINE	
2 TO 20 MILES 314,008 228,526 \$81,502 BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388	0 TO 2 MILES	6.810	3 641	\$1 252
BEYOND 20 MILES 4,023 2,962 \$1,183 SPECIES = BROADBILL GEAR = FLAGLINE 2 TO 20 MILES 35,362 35,362 \$61,388				
2 TO 20 MILES 35,362 35,362 \$61,388				The second residence of the second second
701,300		SPECIES = BROADBILL	GEAR = FLAGLINE	
701,300	2 TO 20 MILES	35,362	35.362	\$61 388
			1,603	\$2,830

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
5	PECIES = BROADBILL G	EAR = DEEP-SEA HA	NDLINE
2 TO 20 MILES			\$3,191
BEYOND 20 MILES	224	224	\$198
	SPECIES = BROADBILL	GEAR = TROLLING	LINE
2 TO 20 MILES	290	290	\$323
	SPECIES = SAILFISH	GEAR = FLAGLIN	E
2 TO 20 MILES	620	620	\$6.26
BEYOND 20 MILES	114	114	\$69
5	SPECIES = SAILFISH G	EAR = DEEP-SEA HA	NDLINE
2 TO 20 MILES	107	39	\$23
BEYOND 20 MILES	26	26	\$17
	SPECIES = SAILFISH	GEAR = TROLLING	
0 TO 2 MILES	125	125	0110
2 TO 20 MILES	135 376	135 223	\$119 \$133
BEYOND 20 MILES	7	0	\$133
	SPECIES = SAILFIS	SH GEAR = OTHER	
2 TO 20 MILES	2.0	2.2	010
2 10 20 MILLES	2.2	22	\$13
	SPECIES = MAHIMAHI	GEAR = FLAGLIN	E
0 TO 2 MILES	55	55	\$83
2 TO 20 MILES	13,805	13,805	\$27,620
BEYOND 20 MILES	1,007	1,007	\$1,761
	SPECIES = MAHIMAHI GI	EAR = DEEP-SEA HA	NDLINE
O TO 2 MILES	1,817	1,757	\$2,607
2 TO 20 MILES	15,462	14,563	\$22,993
BEYOND 20 MILES	971	971	\$1,598
S	SPECIES = MAHIMAHI GI	EAR = INSHORE HAN	DLINE
0 TO 2 MILES	2 26	211	\$369
2 TO 20 MILES	228	228	\$299
			10 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = MAHIMAHI	GEAR = TROLLING	LINE
O TO 2 MILES	5,955	4,807	\$6,714
2 TO 20 MILES	100,538		\$141,838
NORTHWESTERN H.I.		20	\$30
BEYOND 20 MILES	1,482	1,311	\$2,299
	SPECIES = MAHIMAN	HI GEAR = OTHER	
O TO 2 MILES	202		
	293	293	\$480
2 TO 20 MILES	5,696	5,671	\$10,564
BEYOND 20 MILES	2,765	2,765	\$4,543
	SPECIES = ONO	GEAR = FLAGLINE	
2 TO 20 MILES	11,316	11,316	\$10,204
BEYOND 20 MILES	868	868	\$963
	SPECIES = ONO GEAR	= DEEP-SEA HANDI	INE
0 TO 2 MILES	3,202	3,202	\$2,810
2 TO 20 MILES	24,237	23,402	\$23,408
NORTHWESTERN H.I.		612	\$817
BEYOND 20 MILES	1,127	1,127	\$1,082
	SPECIES = ONO GEAR	R = INSHORE HANDI	INE
0 TO 2 MILES	224	201	21.00
2 TO 20 MILES	224	224	\$196
2 10 20 MILES	805	750	\$750
	SPECIES = ONO GEA	AR = TROLLING LIN	TE.
0 TO 2 MILES	26,730	23,109	\$26,810
2 TO 20 MILES	151,358	122,348	\$134,072
NORTHWESTERN H.I.	1,055	1,055	\$858
BEYOND 20 MILES	1,070	668	\$1,011
OTHER	254	254	\$270
	SPECIES = ONO	GEAR = OTHER	
O TO 2 MILES	100	100	2122
2 TO 20 MILES	182	182	\$182
BEYOND 20 MILES	3 80	360	\$372
DETOND ZU MILES	8	8	\$6
S	PECIES = SHARK GEAR	R = DEEP-SEA HAND	LINE
O TO 2 MILES	548	134	\$18
2 TO 20 MILES	695	416	\$112
	033	410	9112

Table 2.--Continued.

REGION	LBCAU	GHT L	BSOLD	REVENUE
	SPECIES = SHARK	GEAR = INSHOR	E HANDLINE	
0 TO 2 NTT EC				
O TO 2 MILES BEYOND 20 MILES		450 230	0	\$0
BETOMD 20 HILLS		230	0	\$0
	SPECIES = SHARK	GEAR = TROLL	ING LINE	
0 TO 2 MILES		100	0	\$0
2 TO 20 MILES		461	161	\$32
	SPECIES = SH	ARK GEAR = 0	THER	
O TO 2 MILES		543	3	0.0
2 TO 20 MILES		354	154	\$0 \$45
		334	154	945
	SPECIES = HAMMERH	EAD SHARK GE	AR = OTHER	
0 TO 2 MILES		40	0	\$0
SPI	ECIES = SHORTBILL	SPEARFISH GE	AR = FLAGLINE	
2 TO 20 MILES	6	133 (5,133	\$4,419
BEYOND 20 MILES			297	\$175
CDECIEC			(5):	
	= SHORTBILL SPEAR	FISH GEAR = I	DEEP-SEA HANDLINE	3
2 TO 20 MILES	- 24	473	396	\$163
SPECIF	S = SHORTBILL SPE	ARFISH GEAR =	TROLLING LINE	
0 TO 2 MILES		74	74	\$47
2 TO 20 MILES	5,6		2,886	\$1,449
BEYOND 20 MILES			29	\$49
SI	ECIES = SHORTBILL	SPEARFISH GE	EAR = OTHER	******
O TO 2 MILES				
0 10 2 MILES		81	81	\$66
	SPECIES = BLACK MA	ARLIN GEAR =	FLAGLINE	
2 TO 20 MILES		.58	258	\$401
BEYOND 20 MILES	2	205	205	\$174
SPEC	IES = BLACK MARLIN	GEAR = DEEF	SEA HANDLINE	
2 TO 20 MILES	7	30	557	\$332
		and the second	231	9334

Table 2 .-- Continued.

REGION		LBCAUGHT	LBSOLD	REVENUE
4	SPECIES =	BLACK MARLIN	GEAR = TROLLING LINE	
2 TO 20 MILES BEYOND 20 MILES		5,606 1,278	3,195 1,278	\$1,132 \$516

II	TABLE	2HDAR	1978	DATA	ВУ	SPECIES,	GEAR,	AND	REGION.	

REGION	LBCAUGHT	LBSOLD	REVENUE
			KEVENUE
SPECIES = S	TRIPED MARL	IN GEAR = FLAGLINE	
2 TO 20 MILES	87,889	87,889	\$124,052
BEYOND 20 MILES	17,382	17,382	\$21,314
SPECIES = STRIP	ED MARLIN	GEAR = DEEP-SEA HANDLIN	E
2 TO 20 MILES	2,613	2,287	\$2,280
BEYOND 20 MILES	585	545	\$409
SPECIES = STRIP	PED MARLIN	GEAR = INSHORE HANDLINE	
0 TO 2 MILES	136	136	\$54
SPECIES = STR	IPED MARLIN	GEAR = TROLLING LINE	
0 TO 2 MILES	497	337	\$279
2 TO 20 MILES	36,752	26,545	\$25,476
BEYOND 20 MILES	1,167	1,045	\$789
SPECIES =	BLUE MARLI	N GEAR = FLAGLINE	
2 TO 20 MILES	34,622	34,622	\$32,643
BEYOND 20 MILES	5,458	5,458	\$4,536
SPECIES = BLUE	MARLIN G	EAR = DEEP-SEA HANDLINE	
2 TO 20 MILES	11,156	10,809	\$4,945
BEYOND 20 MILES	988	988	\$280
SPECIES = BLU	E MARLIN	GEAR = INSHORE HANDLINE	
0 TO 2 MILES	1,114	1,114	\$465
SPECIES = BL	UE MARLIN	GEAR = TROLLING LINE	
0 TO 2 MILES	6,863	3,822	\$1,716
2 TO 20 MILES	464,326	360,320	\$157,749
BEYOND 20 MILES	12,791	11,656	\$3,761
SPECIES	= BROADBILL	GEAR = FLAGLINE	
2 TO 20 MILES	11,952	11,282	\$17,181
BEYOND 20 MILES	8,530	8,530	\$12,683

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
SP	ECIES = BROADBILL GEA	R = DEEP-SEA HANDLINE	
2 TO 20 MILES BEYOND 20 MILES	8,916 140	8,916 140	\$10,235 \$105
S	PECIES = BROADBILL GE	AR = INSHORE HANDLINE	
O TO 2 MILES	47	47	\$47
	SPECIES = BROADBILL G	EAR = TROLLING LINE	
2 TO 20 MILES	558	558	\$736
	SPECIES = SAILFISH	GEAR = FLAGLINE	
2 TO 20 MILES	49	49	\$37
SI	PECIES = SAILFISH GEA	R = DEEP-SEA HANDLINE	
0 TO 2 MILES 2 TO 20 MILES	70 43	70 43	\$70 \$15
	SPECIES = SAILFISH G	EAR = TROLLING LINE	
2 TO 20 MILES	535	210	\$101
	SPECIES = MAHIMAHI	GEAR = FLAGLINE	
O TO 2 MILES 2 TO 20 MILES BEYOND 20 MILES	881 7,449 2,092	881 7,449 2,092	\$1,469 \$17,480 \$4,336
SF	ECIES = MAHIMAHI GEA	R = DEEP-SEA HANDLINE	
0 TO 2 MILES 2 TO 20 MILES NORTHWESTERN H.I. BEYOND 20 MILES	307 12,654 118 512	307 12,111 118 512	\$486 \$22,111 \$192 \$843
SF	ECIES = MAHIMAHI GEAR	R = INSHORE HANDLINE	
0 TO 2 MILES 2 TO 20 MILES	850 19	787 19	\$1,424 \$29

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = MAHIMAHI	GEAR = TROLLING L	INE
0 TO 2 MILES	3,898	2,984	\$4,908
2 TO 20 MILES	91,774	72,874	\$144,685
BEYOND 20 MILES	772	548	\$1,274
OTHER	172	172	\$371
	SPECIES = MAHIMAH	HI GEAR = OTHER	
0 TO 2 MILES	4	4	\$6
2 TO 20 MILES	8,732	8,732	\$16,600
BEYOND 20 MILES	514	514	\$1,201
OTHER	14	14	\$38
	SPECIES = ONO	GEAR = FLAGLINE	
O TO 2 MILES	534	534	\$775
2 TO 20 MILES	7,722	7,722	\$9,701
BEYOND 20 MILES	1,917	1,917	\$2,677
	SPECIES = ONO GEAR	= DEEP-SEA HANDLIN	1E
O TO 2 MILES	411	386	\$490
2 TO 20 MILES	21,887	21,438	\$27,124
BEYOND 20 MILES	314	304	\$354
	SPECIES = ONO GEAR	R = INSHORE HANDLIN	E
O TO 2 MILES	1,943	1,888	\$2,529
2 TO 20 MILES	68	34	\$53
	SPECIES = ONO GEA	AR = TROLLING LINE	
0 TO 2 MILES	13,951	11,303	\$16,131
2 TO 20 MILES	140,566		\$156,433
BEYOND 20 MILES	1,626	1,395	\$1,945
OTHER	1,913	1,913	\$2,157
	SPECIES = ONO	GEAR = OTHER	
O TO 2 MILES	43	0	\$0
2 TO 20 MILES	87	55	\$55
	SPECIES = SHARK	GEAR = FLAGLINE	
2 TO 20 MILES	11,085	1,335	\$453

Table 2.--Continued.

REGION	LBCA	UGHT	LBSOLD	REVENUE
	SPECIES = SHARK	GEAR = D	EEP-SEA HANDLINE	
O TO 2 MILES 2 TO 20 MILES BEYOND 20 MILES	3	300 ,740 82	72 1,282 82	\$25 \$472 \$44
	SPECIES = SHARK	GEAR =	INSHORE HANDLINE	
0 TO 2 MILES		531	166	\$72
	SPECIES = SHARK	GEAR =	TROLLING LINE	
0 TO 2 MILES 2 TO 20 MILES		,525 ,164	60 964	\$35 \$393
	SPECIES = S	HARK GE.	AR = OTHER	
0 TO 2 MILES		243	43	\$2
	SPECIES = HAMMER	HEAD SHAR	K GEAR = OTHER	
0 TO 2 MILES	1	,527		
S	PECIES = SHORTBILL	SPEARFIS	H GEAR = FLAGLINE	
2 TO 20 MILES BEYOND 20 MILES		,719 ,449	9,719 1,449	\$11,023 \$1,616
SPECIE	S = SHORTBILL SPEA	RFISH G	EAR = DEEP-SEA HANDLI	NE
2 TO 20 MILES		577	577	\$676
SPEC	IES = SHORTBILL SP	EARFISH	GEAR = TROLLING LINE	
2 TO 20 MILES BEYOND 20 MILES		,637 337	7,744 307	\$6,109 \$282
5	SPECIES = BLACK MAI	RLIN GEA	AR = TROLLING LINE	
2 TO 20 MILES	1	,368	424	\$434

II TABLE 2HD	AR 1979 DATA BY SPE	CIES, GEAR, AND	REGION.
REGION	LBCAUGHT	LBSOLD	REVENUE
SPECIES =	SWORDFISH GEAR =	DEEP-SEA HANDLIN	E
2 TO 20 MILES	2		
SPECIES	= STRIPED MARLIN	GEAR = FLAGLINE	
2 TO 20 MILES BEYOND 20 MILES	66,510 4,954	66,510 4,954	\$94,880 \$8,903
OTHER	397	397	\$288
SPECIES = S	TRIPED MARLIN GEAR	= DEEP-SEA HAND	LINE
O TO 2 MILES	286	216	\$115
2 TO 20 MILES	4,474	4,364	\$5,493
BEYOND 20 MILES	644	644	\$781
SPECIES =	STRIPED MARLIN GEA	AR = TROLLING LI	NE
0 TO 2 MILES	989	837	\$992
2 TO 20 MILES	32,110	24,362	\$25,454
BEYOND 20 MILES	875	700	\$445
SPECI	ES = STRIPED MARLIN	GEAR = OTHER	
2 TO 20 MILES	330	75	\$172
BEYOND 20 MILES	232	232	\$153
SPECIF	ES = BLUE MARLIN GI	EAR = FLAGLINE	
2 TO 20 MILES	13,747	13,747	\$14,536
BEYOND 20 MILES	1,481	1,481	\$1,507
SPECIES = 1	BLUE MARLIN GEAR =	DEEP-SEA HANDLIN	NE
O TO 2 MILES	705	705	\$436
2 TO 20 MILES	12,508	12,211	\$8,980
BEYOND 20 MILES	1,569	1,464	\$1,267
SPECIES =	BLUE MARLIN GEAR	= TROLLING LINE	
O TO 2 MILES	18,386	14,922	\$6,171
2 TO 20 MILES	374,958	294,078	\$138,877
BEYOND 20 MILES	13,042	11,255	\$4,082
OTHER	180		74,002
	5.25%.		1787854

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	2201100112	шин	KEYENOE
	SPECIES = BLUE MARL	IN GEAR = OTHER	
2 TO 20 MILES	659	659	\$98
BEYOND 20 MILES	234	234	\$70
	SPECIES = BROADBILL	GEAR = FLAGLINE	
2 TO 20 MILES	14,278	14,278	\$23,566
BEYOND 20 MILES	220	220	\$330
OTHER	300	300	\$498
SPE	CIES = BROADBILL GEA	AR = DEEP-SEA HANDLINE	
0 TO 2 MILES	827	81.2	\$1,152
2 TO 20 MILES	12,201		\$16,812
NORTHWESTERN H.I.		141	\$176
BEYOND 20 MILES	621	621	\$81.2
S	PECIES = BROADBILL (GEAR = TROLLING LINE	
2 TO 20 MILES	350	121	\$96
	SPECIES = SAILFISH	GEAR = FLAGLINE	
2 TO 20 MILES	677	677	\$597
BEYOND -20 MILES	73	73	\$42
SPI	ECIES = SAILFISH GEA	AR = DEEP-SEA HANDLINE	
2 TO 20 MILES	99	99	\$82
BEYOND 20 MILES	77	77	\$86
	SPECIES = SAILFISH G	SEAR = TROLLING LINE	
0 TO 2 MILES	152	77	\$56
2 TO 20 MILES	1,203	604	\$351
	SPECIES = MAHIMAHI	GEAR = FLAGLINE	
0 TO 2 MILES	510	510	\$920
2 TO 20 MILES	6,508	6,508	\$13,655
BEYOND 20 MILES	553	553	\$1,054
OTHER	274	250	\$620

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
SPECIES =	MAHIMAHI GEA	R = DEEP-SEA HANDLINE	
O TO 2 MILES 2 TO 20 MILES BEYOND 20 MILES	2,314 19,285 2,040	2,061 18,307 2,040	\$3,261 \$34,539 \$3,891
SPECIES =	MAHIMAHI GEA	R = INSHORE HANDLINE	
O TO 2 MILES 2 TO 20 MILES	87 14	80	\$127 —
SPECIES	= MAHIMAHI G	EAR = TROLLING LINE	
O TO 2 MILES 2 TO 20 MILES NORTHWESTERN H.I. BEYOND 20 MILES OTHER	6,399 124,447 30 1,395 311	4,960 104,039 30 997 311	\$9,263 \$206,138 \$30 \$1,834 \$647
SPEC	CIES = MAHIMAHI	GEAR = OTHER	
0 TO 2 MILES 2 TO 20 MILES BEYOND 20 MILES OTHER	98 6,492 3,754 37	98 6,447 3,754 37	\$203 \$12,328 \$5,205 \$34
SPEC	IES = ONO GE	AR = FLAGLINE	
O TO 2 MILES 2 TO 20 MILES BEYOND 20 MILES OTHER	29 2,741 445 297	29 2,741 445 297	\$59 \$5,247 \$1,206 \$565
SPECIES	= ONO GEAR =	DEEP-SEA HANDLINE	
0 TO 2 MILES 2 TO 20 MILES NORTHWESTERN H.I. BEYOND 20 MILES OTHER	4,135 16,826 96 833 5	3,968 16,148 96 759	\$6,140 \$27,170 \$133 \$1,921
SPECIES	= ONO GEAR =	INSHORE HANDLINE	
0 TO 2 MILES	282	232	\$361

Table 2. -- Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = ONO GEA	R = TROLLING LINE	
0 TO 2 MILES 2 TO 20 MILES NORTHWESTERN H.I BEYOND 20 MILES OTHER	27,982 136,589 7,094 1,285 1,218	23,658 114,537 7,094 822 1,218	\$43,499 \$199,021 \$16,001 \$1,256 \$3,025
	SPECIES = ONO	GEAR = OTHER	
O TO 2 MILES 2 TO 20 MILES BEYOND 20 MILES	28 52 42	28 27 42	\$65 \$71 \$73
	SPECIES = SHARK	GEAR = FLAGLINE	
2 TO 20 MILES BEYOND 20 MILES	871 534	871 534	\$397 \$188
	SPECIES = SHARK GEAR	= DEEP-SEA HANDLINE	
2 TO 20 MILES	190		
	SPECIES = SHARK GEAR	= INSHORE HANDLINE	
0 TO 2 MILES	58	(44)	
	SPECIES = SHARK GEA	AR = TROLLING LINE	
0 TO 2 MILES 2 TO 20 MILES	66 1,549	66 238	\$6 \$37
	SPECIES = SHARK	GEAR = OTHER	
0 TO 2 MILES 2 TO 20 MILES	1,026 135	29 135	\$48 \$41
SPE	CIES = HAMMERHEAD SHARK	GEAR = TROLLING LINE	
2 TO 20 MILES	150	22	
	SPECIES = HAMMERHEAD S	SHARK GEAR = OTHER	
0 TO 2 MILES	1,880		

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
SPECIES = S	SHORTBILL SPEARF	ISH GEAR = FLAGL	INE
2 TO 20 MILES BEYOND 20 MILES	3,747 622	3,747 622	\$4,422 \$823
SPECIES = SHORTE	SILL SPEARFISH	GEAR = DEEP-SEA HA	ANDLINE
0 TO 2 MILES	45	45	\$56
2 TO 20 MILES	410	390	\$329
SPECIES = SHOR	TBILL SPEARFISH	GEAR = TROLLING	LINE
O TO 2 MILES	391	391	\$298
2 TO 20 MILES	11,013	7,425	\$8,383
BEYOND 20 MILES	229	110	\$129
OTHER	38	38	\$19
SPECIES =	SHORTBILL SPEAR	FISH GEAR = OTHER	
O TO 2 MILES	729	679	\$669
BEYOND 20 MILES	30	-	
SPECIES	= BLACK MARLIN	GEAR = FLAGLINE	
2 TO 20 MILES	100	100	\$98
OTHER	144	144	\$184
SPECIES = BL	ACK MARLIN GEA	AR = DEEP-SEA HANDL	INE
O TO 2 MILES	202	202	\$101
2 TO 20 MILES	1,633	1,285	\$1,322
SPECIES =	BLACK MARLIN (GEAR = TROLLING LIN	E
2 TO 20 MILES	8,618	6,111	\$2,860
BEYOND 20 MILES	443	318	\$151
		510	4131

II TABL	E 2HDAR 1980 DATA B	Y SPECIES, GEAR, AND RE	GION.
REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = STRIPED MARLI	N GEAR = FLAGLINE	
2 TO 20 MILES	19,875	19,875	\$22,815
BEYOND 20 MILES	4,539	4,539	\$5,325
SPEC	IES = STRIPED MARLIN	GEAR = DEEP-SEA HANDLIN	E
0 TO 2 MILES	449	449	\$337
2 TO 20 MILES	2,466	2,367	\$3,085
BEYOND 20 MILES	1,390	1,390	\$2,596
SPI	ECIES = STRIPED MARLIN	GEAR = TROLLING LINE	
0 TO 2 MILES	1,455	1,306	\$1,742
2 TO 20 MILES	36,229	28,261	\$33,679
BEYOND 20 MILES	486	446	\$496
OTHER	77	77	\$98
	SPECIES = BLUE MARLIN	GEAR = FLAGLINE	
2 TO 20 MILES	6,870	6,870	\$5,920
BEYOND 20 MILES	1,834	1,834	\$1,760
SPEC	CIES = BLUE MARLIN GEA	AR = DEEP-SEA HANDLINE	
0 TO 2 MILES	4,634	3,910	\$1,755
2 TO 20 MILES	20,565	18,974	\$10,971
BEYOND 20 MILES	1,190	1,190	\$1,142
SI	PECIES = BLUE MARLIN (GEAR = TROLLING LINE	
0 TO 2 MILES	14,378	11,638	\$6,015
2 TO 20 MILES	382,176	330,882	\$159,730
NORTHWESTERN H.I.		173	\$96
BEYOND 20 MILES	9,060	6,565	\$3,022
	SPECIES = BLUE MARLIN	N GEAR = OTHER	
2 TO 20 MILES	650	650	\$195
	SPECIES = BROADBILL	GEAR = FLAGLINE	
2 TO 20 MILES	489	489	\$1,028
BEYOND 20 MILES	206	206	\$210
	200	200	9210

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = BROADBILL G	EAR = DEEP-SEA HA	ANDLINE
0 TO 2 MILES	445	445	\$632
2 TO 20 MILES	29,510		
BEYOND 20 MILE			\$1,091
	SPECIES = BROADBILL	GEAR = TROLLING	LINE
0 TO 2 MILES	158	158	\$237
2 TO 20 MILES	874	0.00	\$982
	SPECIES = BROADBII	LL GEAR = OTHER	
2 TO 20 MILES	490	490	\$515
	SPECIES = SAILFISH G	EAR = DEEP-SEA HA	NDLINE
2 TO 20 MILES	273	233	\$126
BEYOND 20 MILES			\$290
	SPECIES = SAILFISH	GEAR = TROLLING	LINE
0 TO 2 MILES	64		
2 TO 20 MILES	446	272	\$182
	SPECIES = MAHIMAHI	GEAR = FLAGLIN	E
2 TO 20 MILES	7,562	7,562	\$15,981
BEYOND 20 MILES			\$2,546
	SPECIES = MAHIMAHI GE	EAR = DEEP-SEA HA	NDLINE
O TO 2 MILES	5,475	F 26 0	611 670
2 TO 20 MILES	33,537	5,268 32,508	\$11,670 \$71,323
BEYOND 20 MILES	1,854		
OTHER	6	6	\$4,167 \$9
	SPECIES = MAHIMAHI GH	EAR = INSHORE HAN	DLINE
O TO 2 MILES	92	81	\$205
2 TO 20 MILES	13	13	\$35
	SPECIES = MAHIMAHI	GEAR = TROLLING	LINE
0 TO 2 MILES	13,451	11,594	\$27,424
2 TO 20 MILES	164,732	141,667	\$303,092
NORTHWESTERN H.		352	\$808

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = MAHIMAHI	GEAR = TROLLING LINE	
BEYOND 20 MILES	1,676	1,018	\$2,349
	SPECIES = MAHIMA	HI GEAR = OTHER	
0 TO 2 MILES	66	66	\$100
2 TO 20 MILES	5,007	5,007	\$10,547
BEYOND 20 MILES	3,457	3,457	\$5,615
OTHER	20	20	\$59
	SPECIES = ONO	GEAR = FLAGLINE	
2 TO 20 MILES	2,014	2,014	\$3,295
BEYOND 20 MILES	581	581	\$1,307
	SPECIES = ONO GEAR	= DEEP-SEA HANDLINE	
0 TO 2 MILES	5,035	5,010	\$9,239
2 TO 20 MILES	33,780	32,694	\$64,184
BEYOND 20 MILES	1,470	1,440	\$2,814
OTHER	58	58	\$97
	SPECIES = ONO GEAR	R = INSHORE HANDLINE	
0 TO 2 MILES	48	44	\$37
	SPECIES = ONO GEA	AR = TROLLING LINE	
O TO 2 MILES	39,327	34,314	\$68,568
2 TO 20 MILES	178,897	157,802	\$293,694
NORTHWESTERN H.I.	3,713	3,713	\$7,245
BEYOND 20 MILES	960	530	\$927
OTHER	138	138	\$166
	SPECIES = ONO	GEAR = OTHER	
0 TO 2 MILES	107	107	\$161
2 TO 20 MILES	308	27.8	\$428
	SPECIES = SHARK	GEAR = FLAGLINE	
2 TO 20 MILES	101	101	\$35
BEYOND 20 MILES	169	169	
THE TO TITLED	109	109	\$67

Table 2.--Continued.

REGION		LBCAUGHT	LBSOLD	REVENUE
	SPECIES = SHA	RK GEAR =	= DEEP-SEA HANDLINE	
0 TO 2 MILES		4,666		
2 TO 20 MILES		591	241	\$90
		3.91	241	290
	SPECIES = SH	ARK GEAR	= INSHORE HANDLINE	
0 TO 2 MILES		1,333	13	\$6
	SPECIES = S	HARK GEAR	t = TROLLING LINE	
O TO 2 MILES		763	112	020
2 TO 20 MILES		763 3,988	113 87	\$39
2 10 20 MILES		3,500	07	\$11
	SPECIES	= SHARK	GEAR = OTHER	
0 TO 2 MILES		621	21	\$12
SPE	CIES = HAMMER	HEAD SHARK	GEAR = TROLLING LINE	
0 mg 0 wry pa				
0 TO 2 MILES		95		
2 TO 20 MILES		124	120	\$35
	SPECIES = HA	MMERHEAD SH	ARK GEAR = OTHER	
0 TO 2 MILES		225	225	\$96
SP	ECIES = SHORT	BILL SPEARF	ISH GEAR = FLAGLINE	
2 ma 20 urr no		302		
2 TO 20 MILES BEYOND 20 MILES		237	237	\$144
BETOND 20 MILES		83	83	\$112
SPECIES	= SHORTBILL	SPEARFISH	GEAR = DEEP-SEA HANDLINE	
O TO 2 MILES		108	108	\$134
2 TO 20 MILES		490	363	\$314
NORTHWESTERN H.I		18	18	\$10
BEYOND 20 MILES		26	26	\$10
				147.50
SPECIE	S = SHORTBILL	SPEARFISH	GEAR = INSHORE HANDLINE	
0 TO 2 MILES		6	6	\$8
SPECI	ES = SHORTBILI	L SPEARFISH	GEAR = TROLLING LINE	
0 TO 2 MILES		271	201	61.04
2 TO 20 MILES		10,431	7,913	\$186
BEYOND 20 MILES		327	167	\$7,057 \$178
The state of the s		221	107	91/0

Table 2.--Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
	SPECIES = SHORTBILL SP	EARFISH GEAR = OTHER	
O TO 2 MILES	1	Ĩ	\$1
SI	PECIES = BLACK MARLIN	GEAR = DEEP-SEA HANDLIN	E
2 TO 20 MILES	527	249	\$447
	SPECIES = BLACK MARLIN	GEAR = TROLLING LINE	
0 TO 2 MILES 2 TO 20 MILES BEYOND 20 MILES	455 4,658 220	4,220	\$291 \$2,943 \$110
	SPECIES = BLACK MA	RLIN GEAR = OTHER	
0 TO 2 MILES	10	4	\$2

II	TABLE	2HDAR	1981	DATA	BY	SPECIES.	GEAR.	AND	REGION.

REGION	LBCAUGHT	LBSOLD	REVENUE
SPECIES	= STRIPED MARLIN	GEAR = FLAGLINE	
2 TO 20 MILES	4,773	4,773	\$5,838
BEYOND 20 MILES	6,504	6,504	
OTHER	382	382	\$7,862 \$534
SPECIES = STE	RIPED MARLIN GEA	R = DEEP-SEA HANDLINE	3
O TO 2 MILES	47	47	\$47
2 TO 20 MILES	588	585	
NORTHWESTERN H.I.	38	38	\$665
	*1		\$22
SPECIES = S	STRIPED MARLIN GI	EAR = TROLLING LINE	
0 TO 2 MILES	454	404	\$786
2 TO 20 MILES	18,255	14,070	\$16,932
BEYOND 20 MILES	69	69	\$67
SPECIES	= BLUE MARLIN (GEAR = FLAGLINE	
2 TO 20 MILES	384	384	
BEYOND 20 MILES	1,393		\$393
OTHER	278	1,393 278	\$1,250 \$250
SPECIES = F	SLUE MARLIN GEAR	= DEEP-SEA HANDLINE	3,44
O TO 2 MILES			
	546	430	\$561
2 TO 20 MILES	5,432	4,852	\$5,009
BEYOND 20 MILES	490	490	\$122
SPECIES =	BLUE MARLIN GEA	R = TROLLING LINE	
0 TO 2 MILES	2,278	1,798	\$1,292
2 TO 20 MILES	101,889	85,961	\$56,276
NORTHWESTERN H.I.	232	232	\$135
BEYOND 20 MILES	962	962	\$940
SPECIE	S = BROADBILL GE	AR = FLAGLINE	
BEYOND 20 MILES	26	26	\$14
SPECIES =	BROADBILL GEAR =	DEEP-SEA HANDLINE	
0 TO 2 MILES	12	132	
2 TO 20 MILES	14	14	\$10
Z 10 ZU FILLES	1,621	1,567	\$2,745

Table 2. -- Continued.

REGION	LBCAUGHT	LBSOLD	REVENUE
SPEC	IES = SAILFISH GEA	AR = FLAGLINE	
BEYOND 20 MILES	103	103	\$85
SPECIES =	SAILFISH GEAR D	EEP-SEA HANDLINE	
0 TO 2 MILES	21	21	\$15
SPECIES	= SAILFISH GEAR =	TROLLING LINE	
2 TO 20 MILES	260	180	\$183
SPECI	ES = MAHIMAHI GEAR	R = FLAGLINE	
2 TO 20 MILES	2,514	2 514	04 007
BEYOND 20 MILES	589	2,514 544	\$6,027
DETOND 20 MILLED	309	244	\$1,308
SPECIES = 1	MAHIMAHI GEAR = DI	EEP-SEA HANDLINE	
0 TO 2 MILES	1,490	1,420	02 621
2 TO 20 MILES	13,287	13,026	\$3,621
NORTHWESTERN H.I.	31	31	\$32,248
BEYOND 20 MILES	435	335	\$57
OTHER	9		\$619
o z man	9	9	\$18
SPECIES =	MAHIMAHI GEAR =	TROLLING LINE	
0 TO 2 MILES	5,447	4 000	610 770
2 TO 20 MILES	64,521	4,888	\$12,660
NORTHWESTERN H.I.	104	54,781 104	\$129,142
BEYOND 20 MILES	1,253	1,213	\$442
OTHER	13	13	\$3,192 \$27
	15	13	921
SPECI	IES = MAHIMAHI GEA	AR = OTHER	
0 TO 2 MILES	46	46	\$188
2 TO 20 MILES	2,797	2,797	\$4,046
BEYOND 20 MILES	317	317	\$984
		311	4704
SPEC	CIES = ONO GEAR =	FLAGLINE	
2 TO 20 MILES	329	329	\$817
BEYOND 20 MILES	168	168	\$414
BANKEN PROTOTO TO TO THE PROTOTO TO	100	100	9414

Table 2.--Continued.

REGION	1	BCAUGHT	LBSOLD	REVENUE
	SPECIES = ONO	GEAR = DEE	P-SEA HANDLINE	
0 TO 2 MILES		902	843	\$1,718
2 TO 20 MILES		12,705	12,424	\$28,321
BEYOND 20 MILE	ES	93	93	\$180
	SPECIES = ONO	GEAR = INS	HORE HANDLINE	
0 TO 2 MILES		22		
	SPECIES = ON	O GEAR = T	ROLLING LINE	
0 TO 2 MILES		7 420	6 500	016 016
		7,420	6,599	\$16,916
2 TO 20 MILES		42,248	38,186	\$88,595
NORTHWESTERN H		2,537	2,537	\$5,023
BEYOND 20 MILE	25	484	471	\$1,439
OTHER		213	213	\$606
	SPECIES	= ONO GEAR	= OTHER	
2 TO 20 MILES		13	13	\$19
	SPECIES = SHARK	GEAR = DE	EP-SEA HANDLINE	
0 TO 2 MILES		281	****	
2 TO 20 MILES		3,610	650	\$306
	SPECIES = SHAR	K GEAR = I	NSHORE HANDLINE	
O TO 2 MILES		793		
	SPECIES = SHA	RK GEAR = '	TROLLING LINE	
2 TO 20 MILES		550		
	SPECIES =	SHARK GEAL	R = OTHER	
0 TO 2 MILES		1	1	\$1
SPE	CIES = HAMMERHEA	D SHARK GE	AR = TROLLING LINE	
2 TO 20 MILES		200		
SP	ECIES = SHORTBIL	L SPEARFISH	GEAR = FLAGLINE	
2 TO 20 MILES		67		ésn
- 10 LO HILLED		07	67	\$50